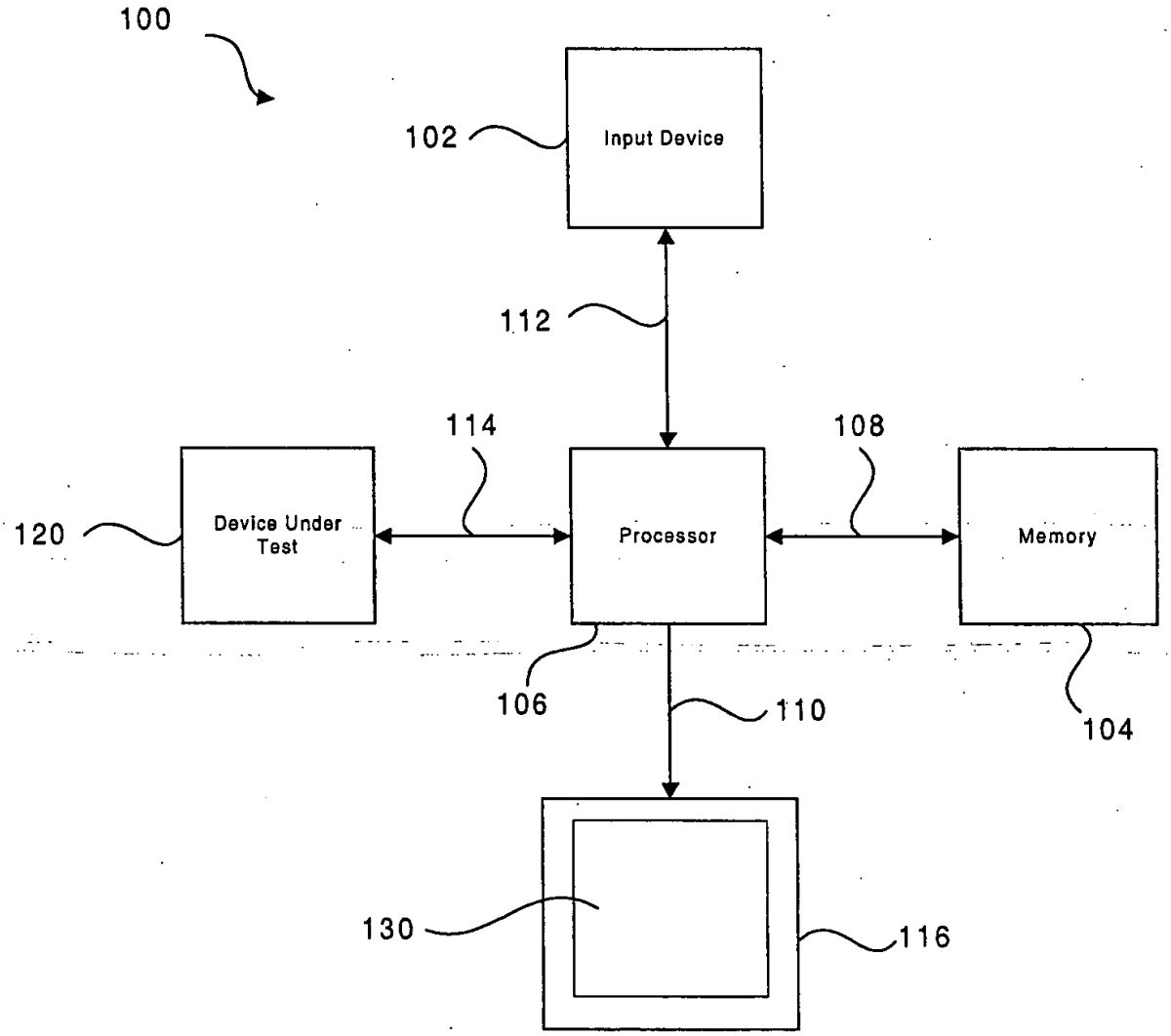
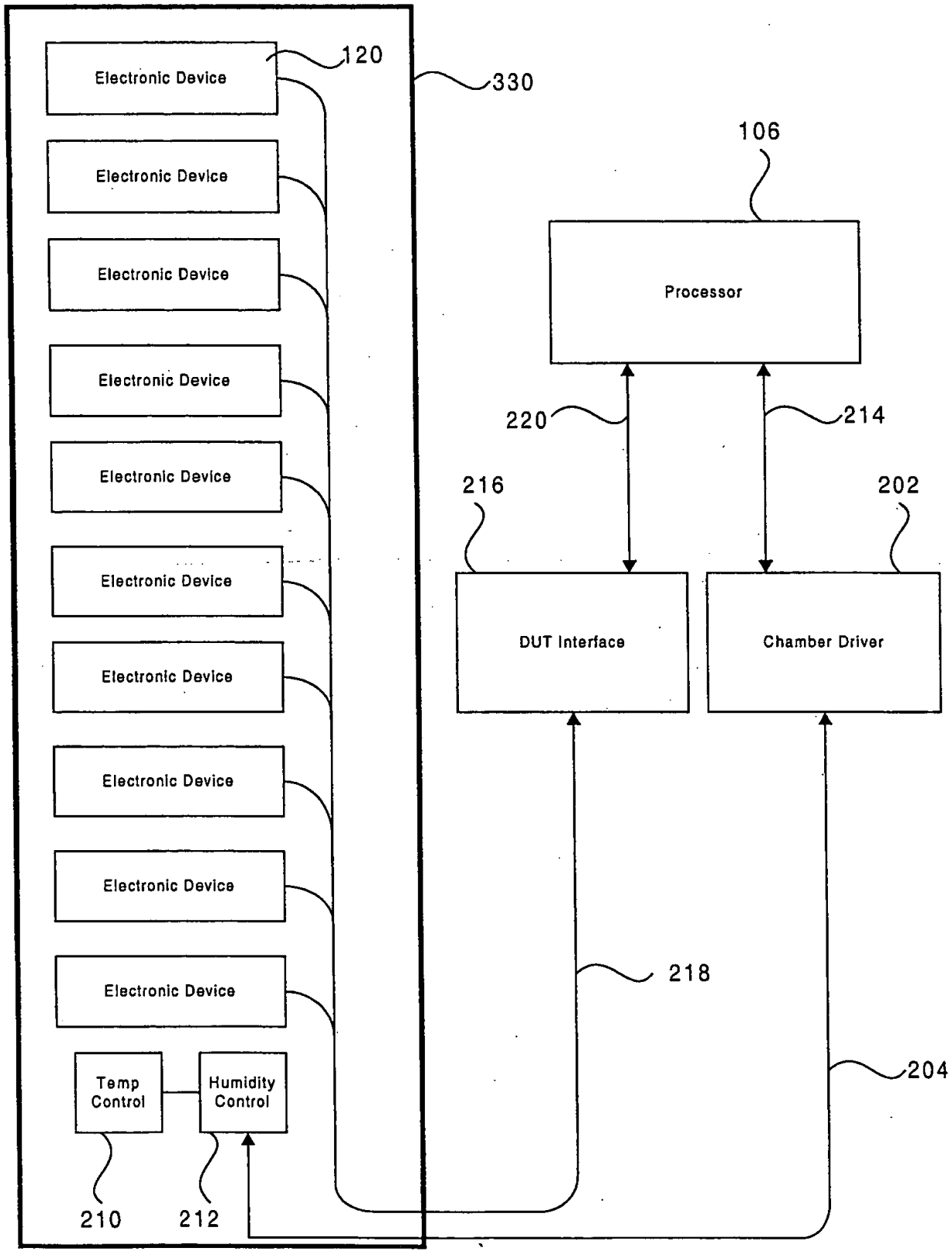

100
102
Input Device
112
114
108
120
Device Under Test
Processor
Memory
106
110
104
130
116

FIG. 1

FIG. 2


Electronic Device
120
330
Electronic Device
Electronic Device
Electronic Device
Electronic Device
Electronic Device
Electronic Device
Electronic Device
Electronic Device
Electronic Device
Temp Control
Humidity Control
210
212
106
Processor
220
214
216
202
DUT Interface
Chamber Driver
218
204

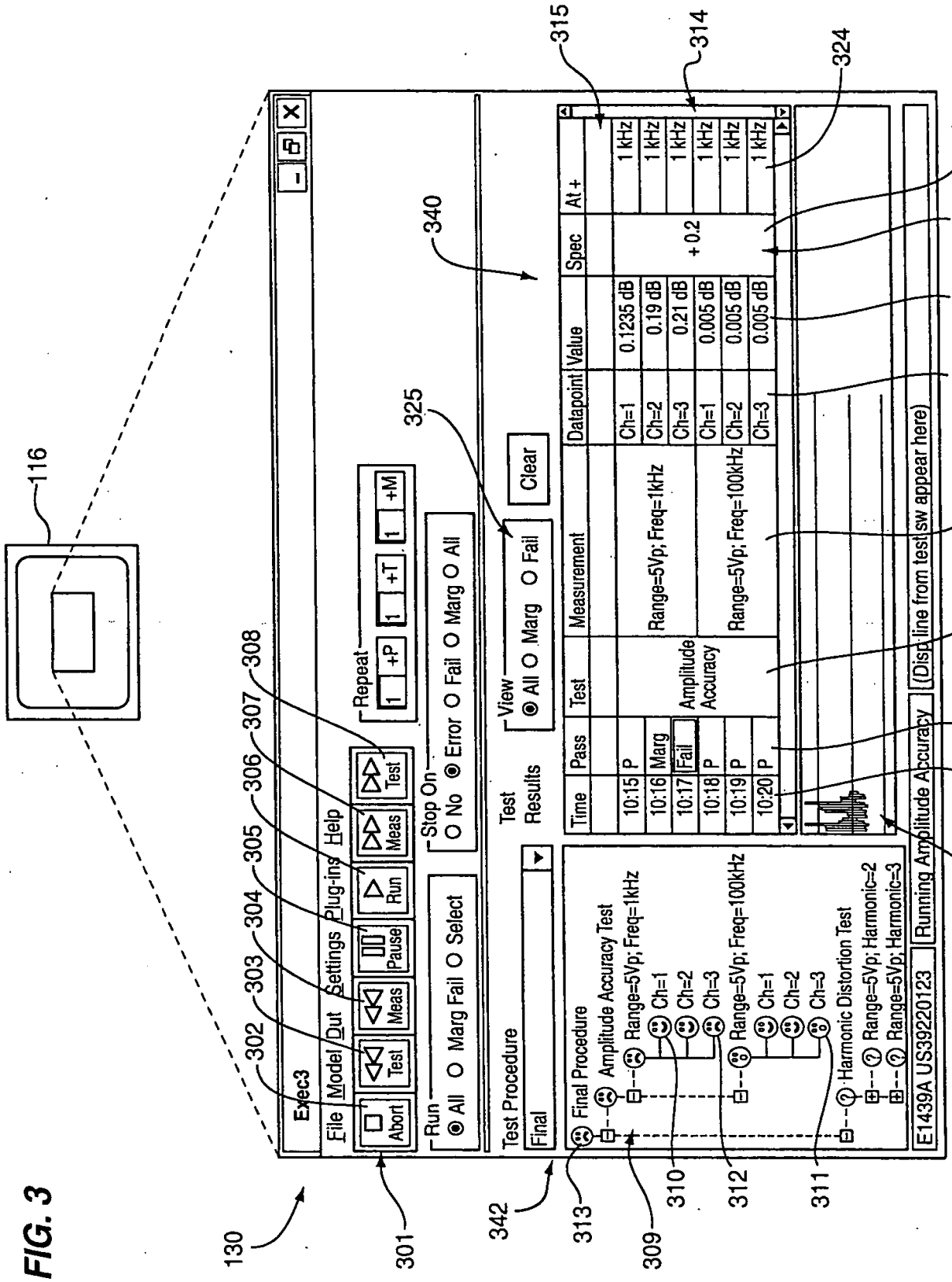

116
130
301
302
303
304
305
306
307
308
309
310
311
312
313
315
314
324
340
325
342
316
323
322
321
320
319
318
317
330
Exec3
File Model Out Settings Plug-ins Help
Abort
Test
Meas
Pause
Run
Meas
Test
Repeat
1 +P
1 +T
1 +M
Run
All Marg Fail Select
Stop On
No Error Fail Marg All
Test Results
View
All Marg Fail
Clear
Test Procedure
Final
Time
Pass
Test
Measurement
Datapoint
Value
Spec
At +
10:15 P
10:16 Marg
10:17 Fail
10:18 P
10:19 P
10:20 P
Amplitude Accuracy
Range=5Vp; Freq=1kHz
Range=5Vp; Freq=100kHz
Ch=1 0.1235 dB
Ch=2 0.19 dB
Ch=3 0.21 dB
Ch=1 0.005 dB
Ch=2 0.005 dB
Ch=3 0.005 dB
+0.2
1 kHz
Final Procedure
Amplitude Accuracy Test
Range=5Vp; Freq=1kHz
Ch=1
Ch=2
Ch=3
Range=5Vp; Freq=100kHz
Ch=1
Ch=2
Ch=3
Harmonic Distortion Test
Range=5Vp; Harmonic=2
Range=5Vp; Harmonic=3
E1439A US39220123
Running Amplitude Accuracy
(Display line from test sw appear here)

FIG. 3

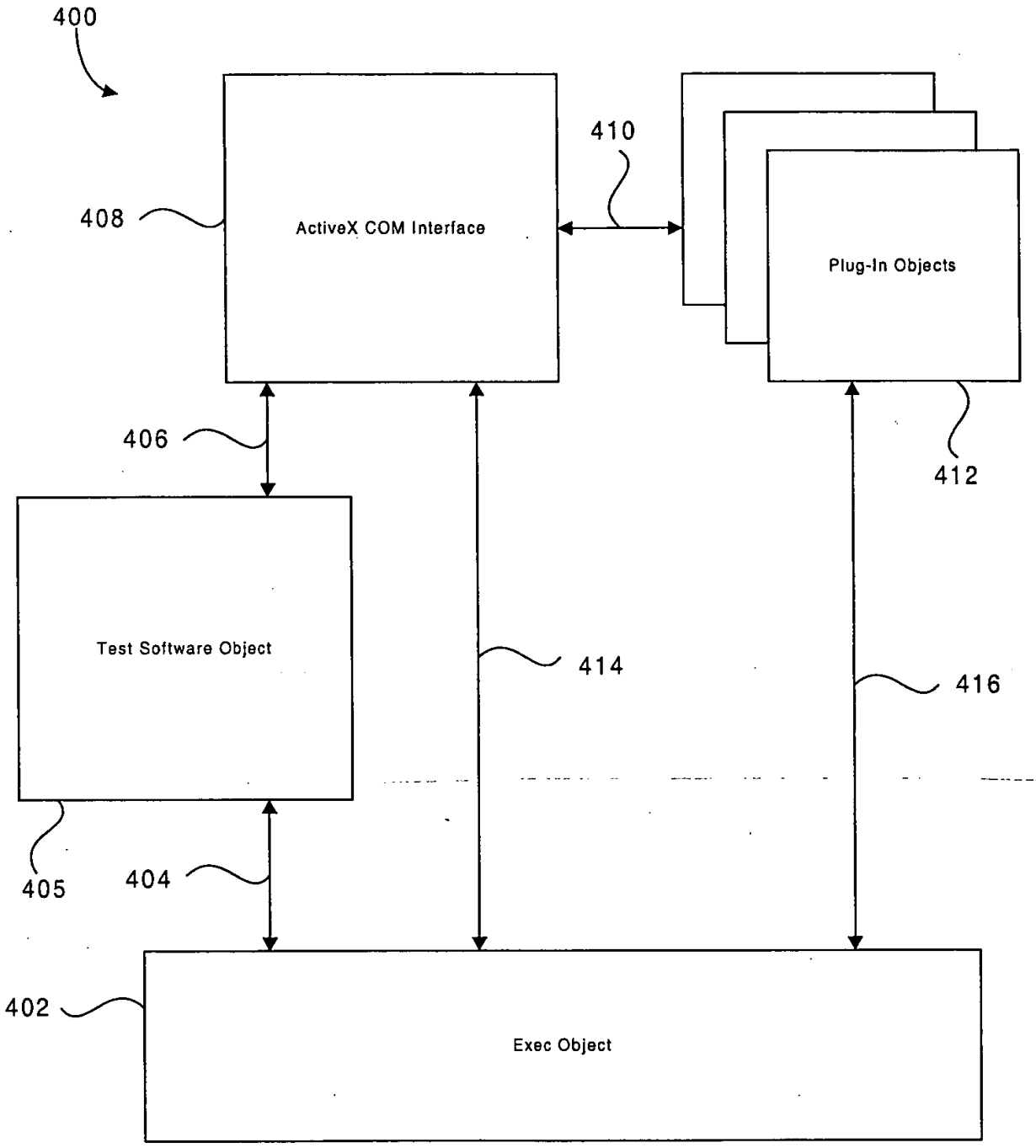

400
408
ActiveX COM Interface
410
Plug-In Objects
412
406
Test Software Object
414
416
405
404
402
Exec Object

FIG. 4

FIG. 5

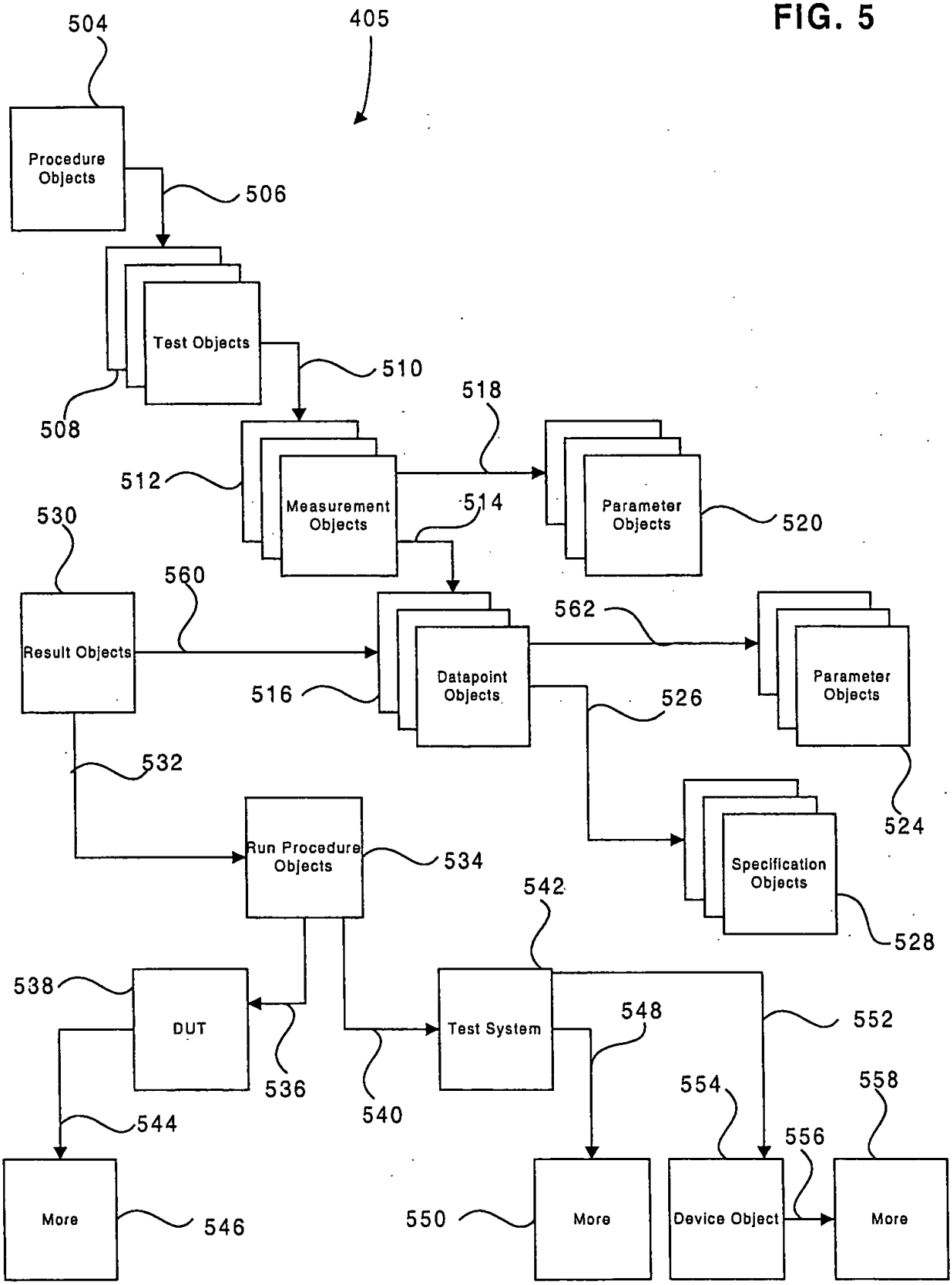

504
405
Procedure Objects
506
Test Objects
508
510
518
512
Measurement Objects
514
Parameter Objects
520
530
560
Result Objects
562
Datapoint Objects
516
526
Parameter Objects
524
532
Run Procedure Objects
534
Specification Objects
528
542
538
DUT
536
Test System
548
552
540
554
558
544
556
More
546
550
More
Device Object
More

FIG. 6

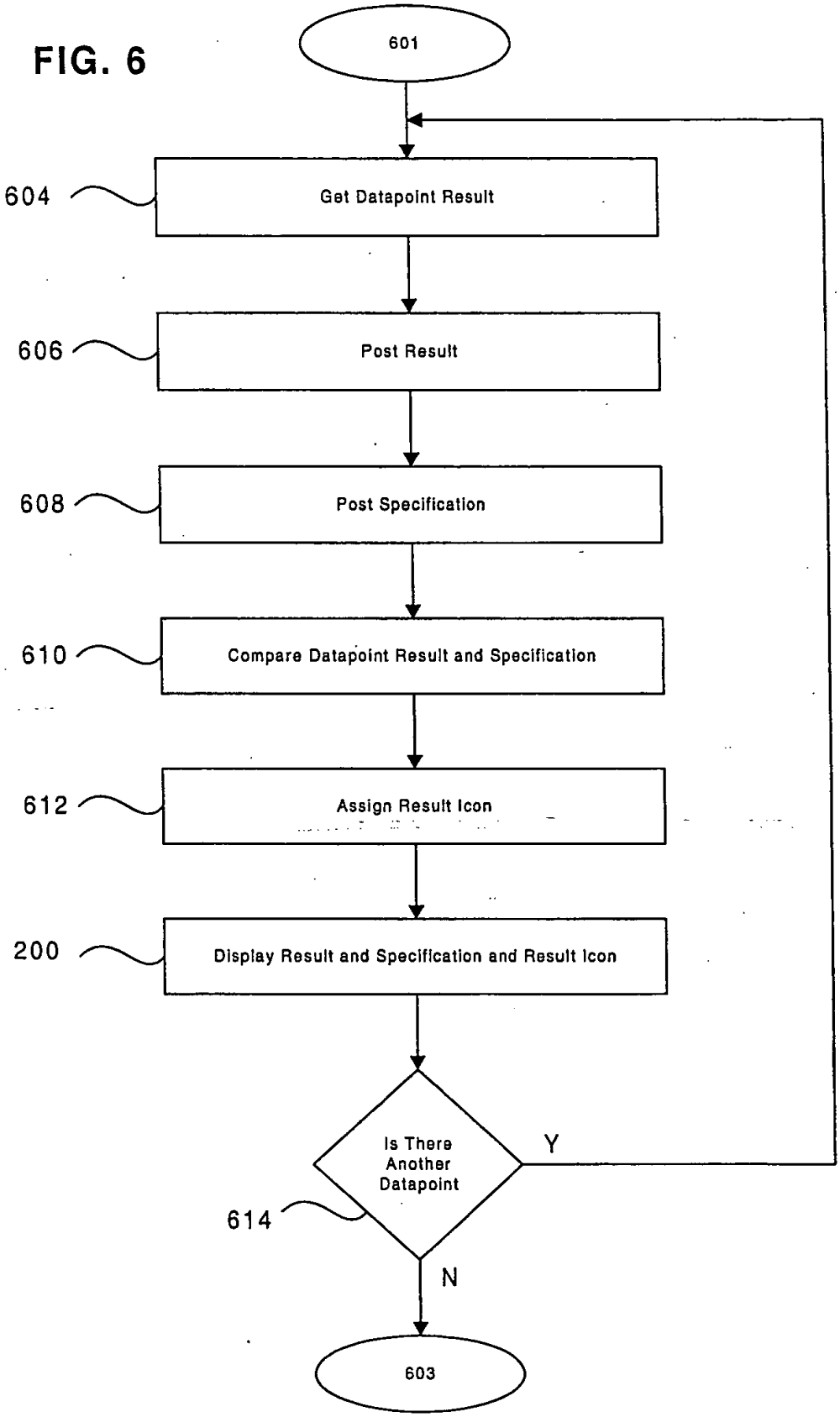
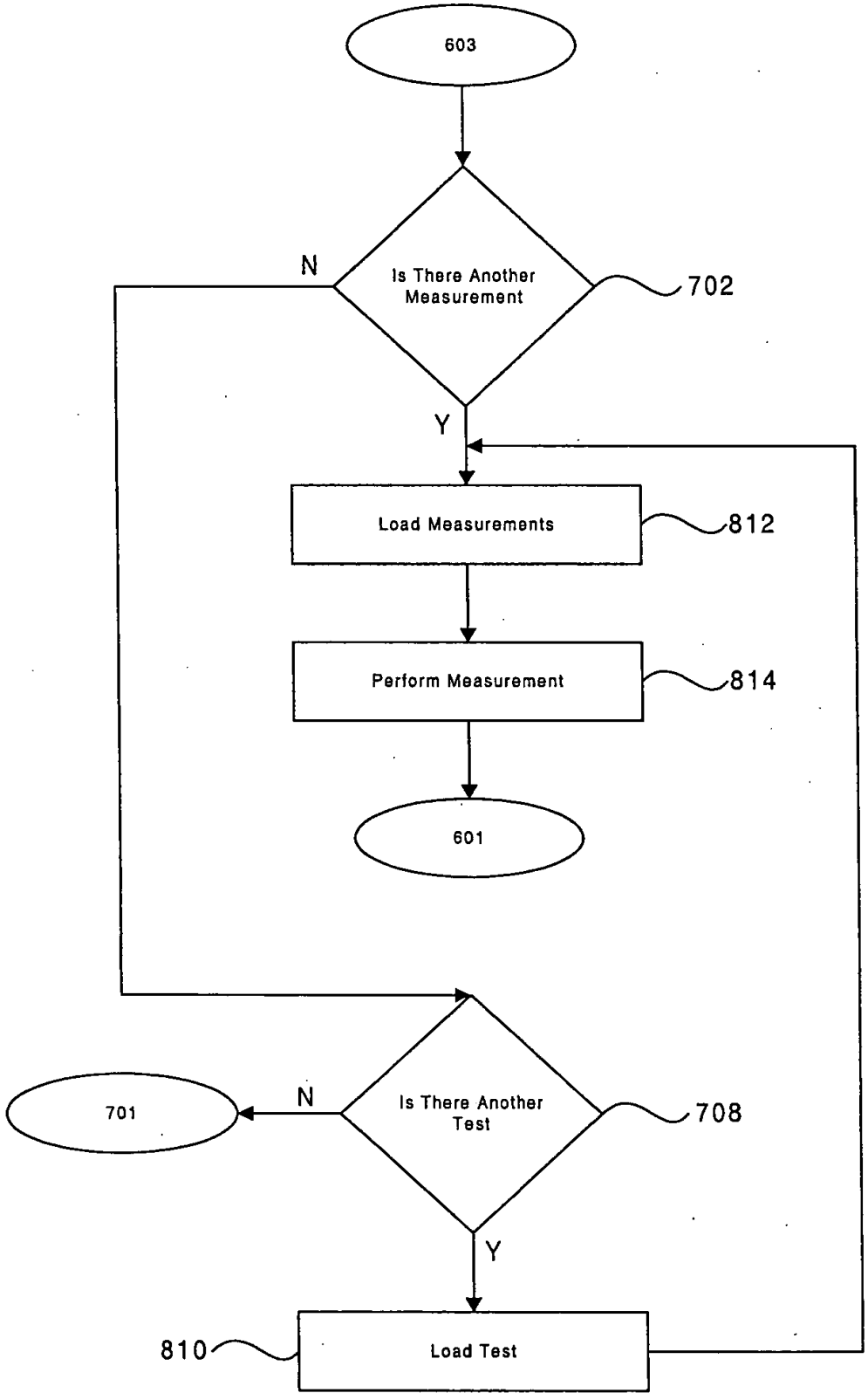

601
604
Get Datapoint Result
606
Post Result
608
Post Specification
610
Compare Datapoint Result and Specification
612
Assign Result Icon
200
Display Result and Specification and Result Icon
Is There Another Datapoint
614
Y
N
603

FIG. 7


603
Is There Another Measurement
N
Y
702
Load Measurements
812
Perform Measurement
814
601
Is There Another Test
N
Y
708
701
Load Test
810

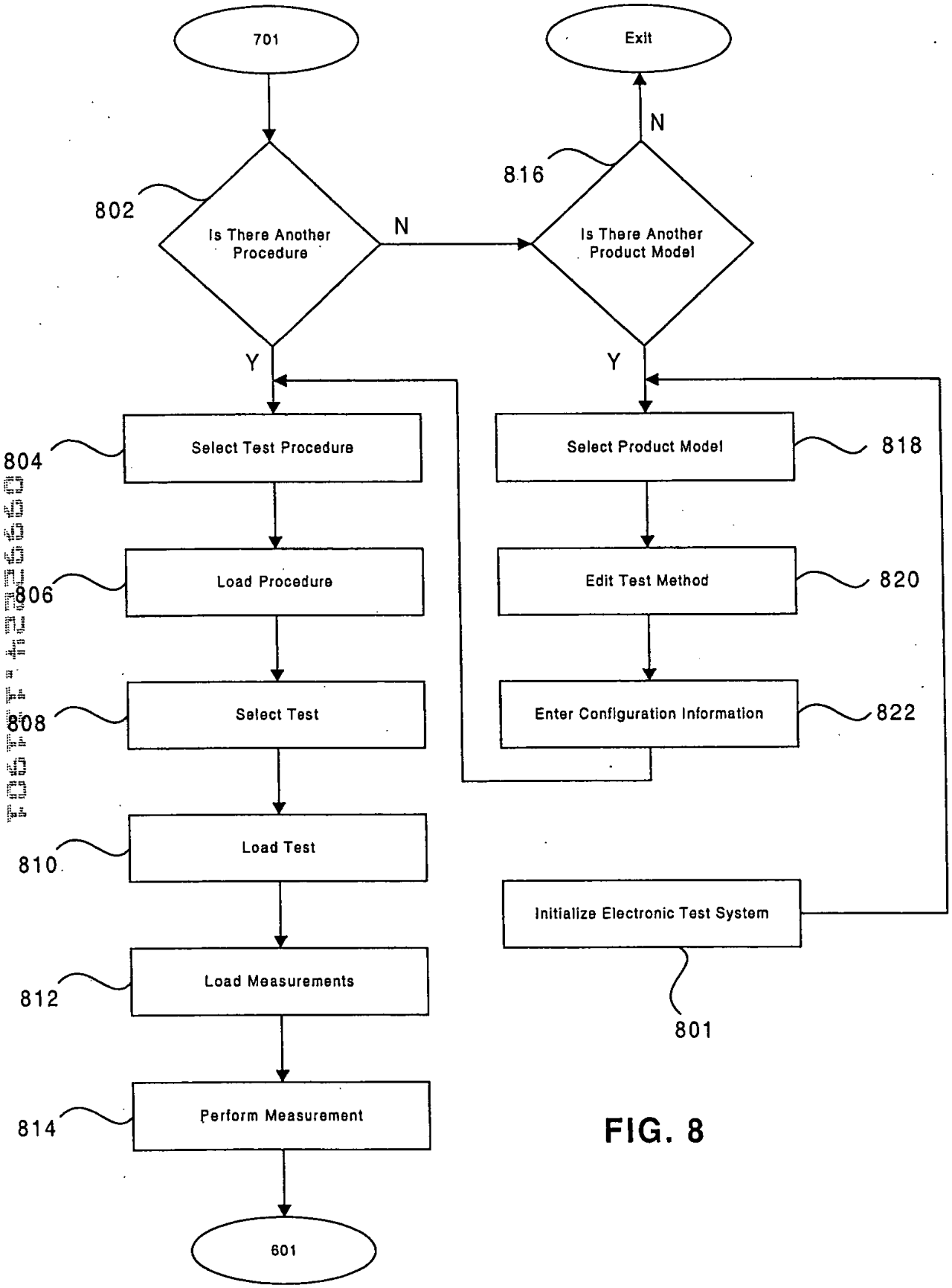

701
Exit
802
Is There Another Procedure
N
816
Is There Another Product Model
N
Y
Y
804
Select Test Procedure
Select Product Model
818
806
Load Procedure
Edit Test Method
820
808
Select Test
Enter Configuration Information
822
810
Load Test
Initialize Electronic Test System
812
Load Measurements
801
814
Perform Measurement
601

FIG. 8